

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 99

Date:- 19-11-2022

NAME OF SITE

GRAM PANCHAYAT- Genda Jud

BLOCK- Budhanpur

DISTT- Bijnour

NAME OF AGENCY

LC Infra Projects Pvt. Ltd.- TCEL(JV)
Bijnour



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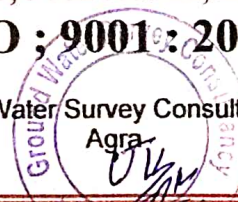
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO : 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- GENDA JUD, BLOCK- BUDHANPUR, DISTT- BIJNOUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 160 mtrs. depth. and Logged depth 158 mtrs. at above site. Was drilled by M/s LC Infra Projects Pvt. Ltd.- TCEL(JV), Bijnour.

On the request of M/s LC Infra Projects Pvt. Ltd.- TCEL(JV), Bijnour. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 19.Nov.2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay	
3.	10 - 18	8	Fine sand	
4.	18 - 26	8	Clay kankar	
5.	26 - 45	19	Medium sand	Good
6.	45 - 50	5	Kankar	
7.	50 - 70*	20	Medium sand	Good
8.	70 - 75	5	Clay kankar	
9.	75 - 105*	30	Fine sand	Good
10.	105 - 112	7	Clay kankar	
11.	112 - 136*	24	Medium sand	Good
12.	136 - 160	24	Clay kankar	

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Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting strata chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Good.
4. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
5. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.

Geophysicist



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Logging VI Genda
 Judd Block
 Budhanpur Distt
 Bijnor
 LOGG GILLIGDO WH
 19 Nov 2022
 15.51
 Uttaraksh Gupta (G)

Rho a
 N16 (SN)
 NG4(LN)
 LAT

SP (m V)

